THE INVENTION CLAIMED

1. A flexible material substantially resistant to microorganisms comprising a meltable fluoropolymer bonded to a polymeric substrate; said substrate derived from a polymeric blend comprising from about 10 to 60 parts by weight of a thermoplastic polyurethane, 15 to 60 parts by weight of an olefinic copolymer, 1.0 to 15 parts by weight of a maleic anhydride-olefin copolymer, 15 to 35 parts by weight of an olefin-vinyl acetate copolymer, and 0.0 to 2.0 parts by weight of a phenolic resin.

2. The flexible material of Claim 1 wherein the polyurethane is a polycaprolactone-based thermoplastic polyurethane.

3. The flexible material of Claim 1 wherein the polyurethane is an ether-based thermoplastic polyurethane.

4. The flexible material of Claim 1 wherein the polyurethane is an ester-based thermoplastic polyurethane.

5. The flexible material of Claim 1 wherein the fluoropolymer is polytetrafluoro-ethylene.

6. The flexible material of Claim 5 wherein the fluoropolymer is laminated onto the polymeric substrate.

7. The flexible material of Claim 1 wherein the fluoropolymer is polytetrafluoro-ethylene laminated to the polymeric substrate; said substrate having adhering thereto a two-sided adhesive tape.

8. The flexible material of Claim 7 wherein the polymeric substrate is derived from a polymeric blend having 45 to 55 parts by weight of a polycaprolactone-based thermoplastic polyurethane.

9. The flexible material of Claim 1 wherein the polymeric blend comprises 45 to 55 parts by weight of the thermoplastic polyurethane, 18 to 22 parts by weight of the olefinic copolymer, 2.0 to 8.0 parts by weight of the maleic anhydride-olefin copolymer, 20 to 30 parts by weight of the olefin-vinyl acetate copolymer and 0.5 to 1.5 parts by weight of the phenolic resin.

10. The flexible material of Claim 9 wherein the polyurethane is a polycaprolactone-based thermoplastic polyurethane.

11. The flexible material of Claim 10 wherein the polyurethane is an ether-based thermoplastic polyurethane.

12. The flexible material of Claim 9 wherein the fluoropolymer is polytetrafluoro-ethylene.

13. The flexible material of Claim 12 wherein the fluoropolymer is laminated onto the polymeric substrate.

14. The flexible material of Claim 13 wherein the polyurethane is a polycaprolactone-based thermoplastic polyurethane.

15. A process of preparing a flexible material substantially resistant to microorganisms which comprises laminating a meltable fluoropolymer onto a polymeric substrate; said substrate derived from a polymeric blend comprising from about 10 to 60 parts by weight of a thermoplastic polyurethane, 15 to 60 parts by weight of an olefin copolymer, 1.0 to 15 parts by weight of a maleic anhydride-olefin copolymer, 15 to 35 parts by weight of an olefin-vinyl acetate copolymer, and 0.0 to 2.0 parts by weight of a phenolic resin.

16. The process of Claim 15 wherein the fluoropolymer is polytetrafluoroethylene.

17. The process of Claim 16 wherein the polyurethane in the polymeric blend is a polycaprolactone-based thermoplastic polyurethane.

18. The process of Claim 16 wherein the fluoropolymer is coextruded with the polymeric blend to form the laminate.

19. The process of Claim 18 wherein the fluoropolymer is polytetrafluoro-ethylene.

20. The flexible material obtained by the process of Claim 19.